

Abstract

Conventionally, since there has been a problem that with a pressure sensor 3
5 provided on an openable and closable door such as a sliding door 2, when a contact of an
object such as the hand cannot be detected, the openable and closable door continues a
closing operation even in the event that the hand is removed in order to avoid a risk of
being caught, when a human body exists in the vicinity, the openable and closable door
which is being closed collides with the human body.

10 A moving device of the invention is constructed such that when an object
detecting means 8 provided on the sliding door 2 detects a contact of an object or a
removal of the object that has been in contact, a driving means 20 is controlled so as to
reverse the moving direction of the sliding door 2, and even in the event that a contact of
an object cannot be detected in the middle of a closing operation of the sliding door due to
15 the object in contact being soft and/or the speed of the moving body being slow, when a
removal of the object is detected by the object detecting means 8, the driving of the sliding
door 2 is controlled to be reversed, and hence the safety is increased.